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ELECTRIC HAMMER DRILL 3 IN 1**POW30540****1 APPLICATION**

The machine is intended for hammer drilling in concrete, brick and stone. It is also suitable for drilling without impact in wood, metal, ceramic and plastic. Machines with electronic control and right/left rotation are also suitable for screw driving.

It is not designed for commercial use.



WARNING! For your own safety, read this manual and general safety instructions carefully before using the appliance. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG. A)

- 1 SDS-plus chuck
- 2 Hammer function selector
- 3 Air vents
- 4 Forward/reverse knob
- 5 On/Off switch
- 6 Lock button

3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packing and package inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packing materials as long as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING: Packaging materials are not toys! Children must not play with plastic bags! Danger of suffocation!

- Electric hammer drill 3 in 1



If any parts are missing or damaged, please contact your dealer.

4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

	Denotes risk of personal injury or damage to the tool.		Wear noise protection.
	Read manual before use.		In accordance with essential requirements of the European directive(s).

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

5.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

5.2 Electrical safety

- Always check that the power supply corresponds to the voltage on the rating plate.
- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of an electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of an electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of an electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of an electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of an electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of an electric shock.

5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.
- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

5.4 Power tool use and care

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

5.5 Service

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

6 MACHINE-SPECIFIC SAFETY WARNINGS

- Use appropriate detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance.
- Switch off the power tool immediately when the tool insert jams. Be prepared for high reaction torque that can cause kickback.
- Hold power tool by the insulated gripping surfaces, when performing an operation where the cutting tool may run into hidden wiring.
- When working with the machine, always hold it firmly with both hands and provide for a secure stance.
- Secure the work piece.
- Keep your workplace clean.
- Always wait until the machine has come to a complete stop before placing it down.
- Before any work on the machine (e. g., maintenance, tool change, etc.) as well as during transport and storage, set the rotational direction switch to the centre position.

7 FEATURES**7.1 Keyless chuck**

Your drill has a keyless chuck that allows you to hand tighten or release drill bit in the chuck jaws.



The SDS-Plus tool holder allows for simple and convenient changing of drilling tools without the use of additional tools.

Due to their working principle, SDS-Plus drilling tools move freely. This results in radial run-out at no-load. However, this has no effect on the accuracy of the drill hole, as the drill bit centres itself during drilling.

The SDS-Plus tool holder can also accommodate different drill-bit types with hexagon shank. Use only bit with SDS-Plus. Other bits can be used with a keyless chuck with SDS-Plus.

8 OPERATION

8.1 Forward/reverse selector (right/left rotation selector) Fig. 2

The drill has a forward/reverse selector located above the switch trigger

- To make the drill rotate clockwise for drilling or driving screws, push the forward /reverse switch to the left.
- To make the drill rotate counter clockwise for removing screws, push the forward /reverse switch to the right.

Never change the position of the forward /reverse switch while chuck is turning.



The trigger switch will NOT function with the forward /reverse switch in the middle position

8.2 Trigger switch lock-on button

The trigger switch lock-on feature allows the trigger switch to be locked in the ON position at full speed when continuous operation for extended periods of time is required (Fig. 2).

- To lock the trigger switch in the ON position, pull the trigger switch back fully to operate the drill at full speed.
- While holding the trigger fully back, push the lock-on button (3) into the drill handle. The drill will continue to run.
- To release the lock-on button, pull the trigger switch back and then release the trigger.

8.3 Drill / hammer control

The drill /hammer control changes the drilling mode between conventional drilling and hammer for drilling concrete (Fig. 3).

To change from drilling mode to hammer mode, push the end of the drill /hammer control knob inward and rotate the knob 180° to the hammer mode. Reverse the procedure to change from hammer mode to drilling mode.



When the drill /hammer control knob reaches the desired position, release the end of the drill /hammer control knob and move the knob back and forth slightly. You will hear the knob lock into position.



Change the operating mode only when the machine is switched off! Otherwise, the machine can be damaged.

8.4 Setting the Speed/Impact rate

The speed/impact rate of the switched on power tool can be variably adjusted, depending on how far the On/Off switch is pressed.

Light pressure on the On/Off switch results in low speed/impact rate. Further pressure on the switch increases the speed/impact rate.



Drilling at a slow drilling speed for an extended period of time may cause the drill motor to overheat. If the drill gets hot, stop drilling and allow it to cool for at least 15 minutes.

8.5 Inserting SDS-Plus Drilling Tools (Fig. 4)

- Clean and lightly grease the shank end of the tool.
- Insert the tool in a twisting manner into the tool holder until it latches itself.
- Check the latching by pulling the tool.

8.6 Removing SDS-Plus Drilling Tools (Fig. 4)

- Push back the locking sleeve (1) and remove the tool.

9 CLEANING AND MAINTENANCE

Attention! Before performing any work on the equipment, pull the power plug.

9.1 Cleaning

- Keep the ventilation slots of the tool clean to prevent overheating of the engine.
- Regularly clean the tool housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.



Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

10 TECHNICAL DATA

Rated voltage	220-240 V
Rated frequency	50 Hz
Rated power	400 W
Rotation speed	0-1100 min ⁻¹
Protection class	II
Drill capacity concrete	10 mm
Drill capacity steel	8 mm
Drill capacity wood	16 mm
Impact rate	0-4800 min ⁻¹
Cable length	2 m + VDE plug
Chuck type	10mm SDS type chuck

11 NOISE

Noise values measured according to relevant standard. (K = 3)

Acoustic pressure level LpA	93 dB(A)
Acoustic power level LwA	104 dB(A)



ATTENTION! The sound power level may exceed 85 dB(A), in this case individual hearing protection shall be worn.

aw (Vibration)	11,9 m/s ²	K = 1.5 m/s ²
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12 SERVICE DEPARTMENT

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a special connecting cable which is available from our service department. Replacement of the connecting cable should only be carried out by our service department (see last page) or by a specialist (qualified electrician).

13 STORAGE

- Thoroughly clean the whole tool and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

14 WARRANTY

- This product is warranted as provided by law for a 24 -month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.

- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

15 ENVIRONMENT



Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way.



Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

16 DECLARATION OF CONFORMITY



VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,

product: Electric hammer drill 3 in 1

trade mark: POWERplus

model: POW30540

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives as they relate to European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments):

2004/108/EC

2006/42/EC

2000/14/EC Annex V LwA 101 dB(A) / 104 dB(A)

European harmonized standards (including, if applicable, their amendments):

EN60745-1 : 2009

EN60745-2-6 : 2010

EN55014-1 : 2006

EN55014-2 : 1997

EN61000-3-2 : 2006

EN61000-3-3 : 2008

The undersigned acts on behalf of the company management,

Philippe Vankerkhove
Certification Manager
11/07/2012